

US EPA Region 7 Analytical Services Request (ASR)

03/22/2017 15:55

Project ID: RWRECYCLE

ASR Number: 7449

Projected Delivery Date: 04/06/2017

Project Desc: Recycletronics - RCRA sampling

City: Sioux City

State: Iowa

Program: RCRA Enforcement

GPRA PRC: 302DA1

Project Manager: Rebecca Wenner

Organization: WEMM/AWMD

Phone Number: 913-551-7644

Contact: Rebecca Wenner

Organization: WEMM/AWMD

Contact Phone: 913-551-7644

ASR Purpose: Enforcement

Comments: Pb concentrations in soil and glass.

PM has noted that this is a RCRA administrative ASR and not a CI ASR.

Is this activity currently or potentially a criminal investigation? No

Has a QAPP for the requested services been approved? Yes

QAPP Log Number and/or QA Document Number: ADDENDUM IN
REVIEW.

For health, safety and environmental compliance are any samples expected to contain:

Dioxin > 1ppb: Unlikely

RCRA Listed Wastes: Unlikely

Toxic/Hazardous Chemicals >1000ppm: Possibly

No. of Samples	Req No	Analysis Name	CNS List	Conc of Interest	Expected Conc	Lab
16	1	Mercury in Soil or Sediment		100mg/kg		EPA
16	1	Percent Solid				EPA
16	1	TCLP Mercury in Soil		5mg/l		EPA
16	1	TCLP Metals in Soil		5mg/l		EPA
16	1	Total Metals Analysis of TCLP Metals in Soil by ICP-AES		100mg/kg		EPA
1	1	Mercury in Water				EPA
1	1	TCLP Mercury in Water		5mg/l		EPA
1	1	TCLP Metals in Water		5mg/l		EPA
1	1	Total Metals Analysis of TCLP Metals in Water by ICP-AES				EPA

Special Analytical Requirements or Comments:

30-Day TAT assigned to this short-notice RCRA ASR. PM has noted that all samples will be collected the week of 4/3 and delivered on or around Thursday (4/6). PM has noted that the glass will be broken glass coated with a lead coating. PM will need to have glass pieces crushed to sufficiently small pieces to provide uniform results using total and TCLP analysis. These are confirmation samples for field screening being done using an XRF in the field. PM has been informed that enough glass will need to be collected/provided so that the LABS staff can process enough material for both the total & TCLP

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metals/Hg analyses (e.g. TCLP metals & TCLP Hg will each need a minimum of 100g) and any/all LTAB QC=MS/MSD. PM has noted that the glass samples are to be analyzed for both total and TCLP metals (including TCLP Hg), regardless of the total metals 20x rule. PM has noted that the soil samples are to be analyzed for TCLP metals (including Hg) if the total metals analysis exceeds the 20x rule. PM has noted that if they collect a water sample, it will be from pooling water on concrete, the depth isn't expected to be more than an inch or two and maybe <500mL will be provided.

Date Submitted: 03/22/2017

By: Nicole Roblez

ASR Status: Accepted

Date Accepted: 03/22/2017

By: Nicole Roblez

RLAB Turn Around Time: 30 **Days**

Date Transmitted:

By:

ANOP Turn Around Time: 23 **Days**

Sampling Supplies and QC/PE Samples

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Project Manager: Rebecca Wenner

Organization: WEMM/AWMD

Phone Number: 913-551-7644

Contact: Rebecca Wenner

Organization: WEMM/AWMD

Contact Phone: 913-551-7644

Supply Pickup Date: 03/30/2017 RLAB Will supply Field sheets and Tags

Supply Comments:

Field sheets, tags, sampling supplies will be ready in 1 cooler near the back dock refrig. at the STC for a pickup on or after Thursday (3/30) am. No sampling supplies will be needed from the R7_warehouse. PM/Sampler noted that they will be using their own freezer strength bags (1-gallon size) for the glass samples and each glass sample will be double bagged. PM may return any unused items (e.g. plastic bottles or glass jars without LIMS printed tags on them) back to the STC when samples are delivered.

BMiller/HDF/ACC/AJ/IAV: PM will need acid (i.e. individual vials w/enough for each sample & 6 extra vials) & SuperQ item ready for pickup on or after Thursday (3/30).

Qty	Sample Containers	Qty	Equipment
6	1-Liter Plastic bottle	1	Ice Chest (w/ plastic bag)
6	32-oz. Wide Mouth Glass Jar (1 Liter)		
Qty	Preservatives	Qty	Misc. Supplies
1	HNO3 (1:1) 5mL Squeeze Bottle	2	Chain-of-Custody Forms (each)
Qty	QC Samples		
2	Super-Q Water, 1-Liter plastic		

Performance Evaluation Samples

Qty	Matrix	Analytes	Concentration Range
(None)			

US EPA Region 7 Analytical Services Request (ASR) Form

Project ID: _____ ASR Number: _____ Projected Delivery Date: _____

Project Desc: Recycletronics

City: South Sioux City, NE IA State: IA and NE Program: RCRA

Site Name: 1220 Steuben Street

Site ID: [REDACTED] Site OU: _____ EPA (CERCLIS) ID: _____

GPRA PRC: _____

Exemption 6: PII

Project Manager: Rebecca Wenner

Organization: EPA R7 Phone Number: 913-551-7644

Contact: Rebecca Wenner Contact Phone: 913-551-7644

Organization: EPA R7

ASR Purpose: Lead concentrations in Soil and Glass

Comments:

Is this activity currently or potentially a criminal investigation?: Yes-No per PM
3/22/17

Has a QAPP for the requested services been approved?: Yes – Addendum in
review now

QAPP Log Number and/or QA Document Number: _____

For health, safety and environmental compliance are any samples expected to contain:

Dioxin >1pbb: Unlikely
RCRA Listed Wastes: No
Toxic/Hazardous Chemicals >1000ppm: Possibly Lead

Number of Samples	Analysis (Include separated matrix, specific analytes & analytical method[s])	Concentration of Interest	Expected Concentration
6	Soil, Total Metals (8-metals (Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, Silver))	Total – 100 mg/Kg	Between 20 and 2000 for total (XRF levels will be written on field sheets)
6	Soil, TCLP Metals (8-metals); 1311 extraction method These only need to be analyzed if the total samples exceed 100 mg/L.	TCLP – 5 mg/L	Not known.
10	Glass, Total Metals (8-metals (Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, Silver))	Total – 100 mg/Kg	Not known, but expected to be high on most samples. Field Screening levels using XRF will be written on the

			field sheets.
10	Glass, TCLP Metals (8-metals); 1311 extraction method These need to be analyzed regardless of total concentrations.	TCLP – 5 mg/L	Not known.
1	Water Samples, total or TCLP Metals (8-RCRA Metals), there will probably be limited sample quantity.	TCLP-5 mg/L	No known

For assistance, call the Region VII Laboratory Technology & Analysis Branch (LTAB) Manager (or designee) at 913-551-5154.

Date Submitted: 3/22/2017 By: Rebecca Wenner

Special Analytical Requirements or Comments:

The glass will be broken glass coated with a lead coating. We need the pieces crushed to sufficiently small pieces to provide uniform results using total and TCLP analysis. These are confirmation samples for field screening being done using an XRF in the field. Please call Rebecca Wenner 913-551-7644 to discuss the best sample quantity to be received at the lab.

Glass samples should be analyzed for both total and TCLP metals (including mercury), regardless of the total metals analysis. Soil samples should only be analyzed for TCLP metals (including mercury) if the total metals analysis indicates a concentration of lead above 100 mg/L

Container notes – we need enough soil containers and water containers to take 3 samples (triplicate) at each location. There are two potentially responsible parties that we are required to offer split samples to and we have to be prepared for both to accept them.

We will also need at least 2 unpreserved plastic containers (1 quart or smaller) to use to collect the water sample if water is present. If we sample water, it will be from pooling water on concrete and the depth isn't expected to be more than an inch or two.

We will be using freezer strength, zipper-style bags, 1-gallon size, for the glass samples. Each sample will be double bagged.

The Sampling Supplies Request (SSR) form will be completed in LIMS by LTAB staff based on the laboratory assignment(s). The SSR will be electronically sent to the EPA Project Manager, sampling contact and R7 warehouse@epa.gov contact (if needed) with the LTAB accepted ASR.